


[Subscribe \(Full Service\)](#) [Register \(Limited Service, Free\)](#) [Login](#)

 Search: [The ACM Digital Library](#) [The Guide](#)


Russel Hugo Patterson

Affiliation history

- Carnegie Mellon University
- Network Appliance

Bibliom
history

Publicati

Publicati

Citation

Available
downloadDownload
(Weeks)Download
(Months)[Add personal information](#)

SEARCH

15 search results

Page: 1 2 next

Search Author's Publication

show all Sort by: year

Export results as: [BibTeX](#)

ROLE

► Author only

2002

AUTHOR'S COLLEAGUES

See all colleagues of this author

SUBJECT AREAS

See all subject areas

KEYWORDS

See all author supplied keywords

FEEDBACK

Please provide us with feedback

AUTHOR PROFILE PAGES (BETA)

[Project background](#)

BOOKMARK & SHARE

SHARE

- SnapMirror: File-System-Based Asynchronous Mirroring for Disaster Recovery**
 R. Hugo Patterson, Stephen Manley, Mike Federwisch, Dave Hitz, Steven Owara
 January 2002 FAST '02: Proceedings of the 1st USENIX Conference on File and Storage Technologies
 Publisher: USENIX Association
 Full text available: pdf (149.00 KB) Additional Information: [full citation](#), [references](#)
 Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 83, Citations (6 Weeks): 0, Citations (12 Months): 0
- SnapMirror: File-System-Based Asynchronous Mirroring for Disaster Recovery**
 R. Hugo Patterson, Stephen Manley, Mike Federwisch, Dave Hitz, Steven Owara
 January 2002 FAST '02: Proceedings of the Conference on File and Storage Technologies
 Publisher: USENIX Association
 Additional Information: [full citation](#), [cited by](#)
 Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citations (6 Weeks): 0, Citations (12 Months): 0
- Informed prefetching and caching**
 Russel Hugo Patterson, III / Garth A. Gibson
 January 1998 Doctoral Thesis
 Publisher: Carnegie Mellon University
 Additional Information: [full citation](#), [cited by](#)
 Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citations (6 Weeks): 0, Citations (12 Months): 0

1997

4 [Informed multi-process prefetching and caching](#)

Andrew Tomkins, R. Hugo Patterson, Garth Gibson

June 1997 SIGMETRICS '97: Proceedings of the 1997 ACM SIGMETRICS conference on Measurement and modeling of computer systems
Publisher: ACMFull text available: [pdf\(2.90 MB\)](#)Additional Information: [full citation](#), [abstract](#), [ref terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 39, Cite

Informed prefetching and caching based on application disclosure of accesses (hints) can dramatically reduce the execution time of I/O-applications. A recent study showed that, in the context of a single prefetching ...

5 [Informed multi-process prefetching and caching](#)

Andrew Tomkins, R. Hugo Patterson, Garth Gibson

June 1997 ACM SIGMETRICS Performance Evaluation Review, Volume 30
Publisher: ACMFull text available: [pdf\(2.90 MB\)](#)Additional Information: [full citation](#), [abstract](#), [ref terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 39, Cite

Informed prefetching and caching based on application disclosure of accesses (hints) can dramatically reduce the execution time of I/O-applications. A recent study showed that, in the context of a single prefetching ...

1996

6 [A trace-driven comparison of algorithms for parallel prefetching and caching](#)

Tracy Kimbrel, Andrew Tomkins, R. Hugo Patterson, Brian Bershad, Peter Felten, Garth A. Gibson, Anna R. Karlin, Kai Li

October 1996 ACM SIGOPS Operating Systems Review, Volume 30
Publisher: ACMAdditional Information: [full citation](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Cite

7 [A trace-driven comparison of algorithms for parallel prefetching and caching](#)


Tracy Kimbrel, Andrew Tomkins, R. Hugo Patterson, Brian Bershad, Peter Felten, Garth A. Gibson, Anna R. Karlin, Kai Li

October 1996 OSDI '96: Proceedings of the second USENIX symposium on systems design and implementation
Publisher: ACMAdditional Information: [full citation](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, C

1995

8 [Informed prefetching and caching](#)


 R. H. Patterson, G. A. Gibson, E. Ginting, D. Stodolsky, J. Zelenka
December 1995 SOSP '95: Proceedings of the fifteenth ACM symposium
systems principles

Publisher: ACM

Full text available:  pdf(2.13 MB) Additional Information: [full citation](#), [references](#),

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 86, Cite

9 [Informed prefetching and caching](#)

 R. H. Patterson, G. A. Gibson, E. Ginting, D. Stodolsky, J. Zelenka
December 1995 ACM SIGOPS Operating Systems Review, Volume 25
Publisher: ACM

Full text available:  pdf(2.13 MB) Additional Information: [full citation](#), [references](#),

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 86, Cite

10 [Informed Prefetching and Caching](#)

R. H Patterson, Garth A. Gibson, Eka Ginting, Daniel Stodolsky, Jim Ze
May 1995 Technical Report

Publisher: Carnegie Mellon University

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, C

The underutilization of disk parallelism and file cache buffers by tra
induces I/O stall time that degrades the performance of modern mi
systems. In this paper, we present aggressive mechanisms that tail

Page: 1 [2](#) [next](#)

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2008 ACM, Inc.

[Terms of Usage](#) [Privacy Policy](#) [Code of Ethics](#) [Contact Us](#)